

DERWENT-ACC-NO: 1983-719457

DERWENT-WEEK: 198330

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**TITLE:** Low cost electroconductive coating compsn. - comprise silver-aluminium-copper alloy conductive powders, resin, e.g. xylene resin and solvent

**PATENT-ASSIGNEE:** MATSUSHITA ELEC IND CO LTD[MATU]

**PRIORITY-DATA:** 1981JP-0199222 (December 10, 1981)

**PATENT-FAMILY:**

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 58101168 A	June 16, 1983	N/A	004	N/A
JP 87053034 B	November 9, 1987	N/A	000	N/A

**APPLICATION-DATA:**

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 58101168A	N/A	1981JP-0199222	December 10, 1981

**INT-CL (IPC):** C09D005/24, H01B001/16

**ABSTRACTED-PUB-NO:** JP 58101168A

**BASIC-ABSTRACT:**

Electroconductive coating compsn. (I) comprise conductive powders (II), resins (III) and solvents (IV). (II) are alloy powders consisting of 10-70 wt.% Ag, 0.1-10 wt.% Al and balance Cu. Before use the alloy powder may be immersed in an organic solvent soln. of 1,2,3-benzotriazole (V), followed by sepn. of the solvent and drying. The organic solvent for (V) is e.g. acetone. The alloy powder pref. has a particle size of 0.05-10, (0.5-5) microns (III) are e.g. xylene resin. (IV) are e.g. ethylcarbitol. (I) are low cost electroconductive paints of good migration resistance, and can be used as electrodes or conductive circuits after applying e.g. to a base sheet of phenol resin by screen printing, followed by heating and hardening in air.

**TITLE-TERMS:** LOW COST ELECTROCONDUCTING COATING COMPOSITION COMPRIZE SILVER

ALUMINIUM COPPER ALLOY CONDUCTING POWDER RESIN XYLENE RESIN SOLVENT

**DERWENT-CLASS:** A82 A85 G02 L03